

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 50001051

For: ACE COGENERATION COMPANY

Facility: ACE COGENERATION COMPANY
12801 S. Mariposa Street
Trona, CA 93562

Issued Pursuant to MDAQMD Regulation XII
Effective Date: November 16, 2000

This Federal Operating Permit Expires
November 16, 2005

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: ACE Cogeneration Company, a California Limited Partnership

Owner Mailing Address: 12801 Mariposa Street, Trona, CA 93562

Facility Name: ACE Cogeneration Facility

Facility Location/Mailing Address: 12801 Mariposa Street, Trona, CA 93562

MDAQMD Federal Operating Permit Number: 50001051

MDAQMD Company Number: 5000

MDAQMD Facility Number: 01051

Responsible Official: Mr. George T. Beene

Title: Plant Manager

Phone Number: 760-372-2113, extension # 152

Facility "Site" Contacts: Mr. Daniel Nielson

Title: Operations Manager

Phone Number: 760-372-2113, extension # 122

Nature of Business: Electric Power and Steam Cogeneration

SIC Code: 4911/110 -- Electric Power and Steam Cogeneration

Facility Location: UTM (Km) 465E / 3957N

B. EQUIPMENT DESCRIPTION:

1. MDAQMD permit # B002120; STEAM GENERATING BOILER, - Manufactured by Pyropower Corp., A circulating fluidized bed combustion boiler with two integral hot cyclones and a single convection pass, non-reheat, with nominal heat input of $1,052 \times 10^6$ Btu/Hr and a steam output of 910,000 lb/hr at 1525 psig/1005° F. The boiler has ammonia injection, limestone feed and the following equipment:

<u>Capacity (Hp)</u>	<u>Equipment Name</u>
3000.00	Fan, Primary Air - one 1800RPM/4000V/3Ph/60Hz
900.00	Fan, Secondary Air - one 1800RPM/4000V/3Ph/60Hz
2500.00	Fan, Induced Draft - one 900RPM/4000V/3Ph/60Hz
400.00	Blowers, High Pressure - 2 @ 200 hp each, 3550RPM/460V/3Ph/60Hz
	<u>Silos, Solid Fuel Storage - 2 @ 360 tons each</u>
	<u>Solid Fuel Feed System including the following:</u>
6.00	Feeders, Solid Fuel Gravimetric - 4 @ 1.5 hp each
2.00	Feeders, Cleanout Drag Chain - 4 @ .5 hp each
15.00	Conveyors, Inclined Drag Chain - 2 @ 7.5 hp each
15.00	Conveyors, Horizontal Drag Chain - 2 @ 7.5 hp each
6.00	Conveyors, Bi-directional Screw - 2 @ 3 hp each
50.00	Fans, Feeder Pressurization - 2 @ 25 hp each
100.00	Blower, Flyash Reinjection - one 1800RPM/460V/3 Ph/60Hz
	<u>Silo, Limestone Storage - one 360 tons</u>
	<u>Limestone Feed System for SO_x control, includes the following:</u>
150.00	Blowers, High Pressure - 2 @ 75 hp each, 460V/3Ph/60Hz
2.00	Feeders, Rotary - 2 @ 1 hp each, 10RPM/460V/3Ph/60Hz
	<u>Ammonia Injection System for NO_x control, includes the following:</u>
	Tank, Ammonia Storage - one 12,100 gallon w/two 100% vaporizers and injection system
	<u>Pumps, Boiler Feed - 2200 GPM & 5054' head and manufactured by Sulzer Bingham</u>
7000.00	Westinghouse motors - 2 @ 3,500 hp each

(Total rating for Fee Assessment: $1,052 \times 10^6$ btu/hr + $[14,148 \text{ hp} \times 2,550 \text{ btu/hr/hp}] = 1,088.2$)

2. The circulating fluidized bed combustion boiler is authorized to burn solid fuel (coal and/or petroleum coke) and/or natural gas as fuel. The following emission limits shall not be exceeded at any firing rate, except for CO, NO_x and SO_x during periods of startup, shutdown and stabilization (see Condition 5):
Opacity @ 20% on a six minute rolling average; Ammonia = 310 lb/day
3. These hourly rates, while monitored on CEMS, shall be based on a 3-hour rolling average computed every 15 minutes.
CO = 280 lb/hr; NO_x (as NO₂) = 104 lb/hr; SO_x (as SO₂) = 83 lb/hr
4. These hourly rates shall be verified by the annual compliance tests which are required in Condition # 12
ROG = 5 lb/hr; PM = 14.6 lb/hr; PM₁₀ = 14.6 lb/hr; Sulfates = 3.7 lb/hr

5. Emissions of CO, NO_x and SO_x may exceed the limits contained in Condition # 3 during startup, shutdown, and stabilization periods within the limits of this condition.
 - (a) The startup, shutdown, and stabilization periods for NO_x and SO_x are defined as follows:
 - (i). Startup is when the boiler is being fired, in whole or in part, with natural gas for the purpose of introducing solid fuel (coal and/or petroleum coke).
 - (ii). A shutdown is when natural gas is introduced to the boiler to bring the unit off line in a controlled fashion.
 - (iii). Stabilization is:
 - aa) During start-up, the period from when the natural gas is taken out of service and power output on solid fuel is increasing until the boiler is up to a stable operating range and generating more than 40 MWe net;
 - bb) During shutdown the period starting when the natural gas is placed in service to bring the unit off line in a controlled fashion.
 - (b) The startup, shutdown and stabilization periods for CO are defined as those periods when the boiler is being fired, in whole or in part, with natural gas.
6. During periods of startup, shutdown and stabilization the emissions of CO, NO_x and SO_x shall not exceed the following based on a 3 hour rolling average:
CO - 2,000 lb/hr but not for any period longer than 12 hours,
NO_x and SO_x - 200 lb/hr of each but not for any period longer than 4 hours.
7. The total annual emissions, including the excess emissions allowed in Condition # 6, for CO, NO_x and SO_x when calculated on a 52 week rolling annual average shall not exceed the following:
CO - 1,226 tons/year
NO_x - 456 tons/year
SO_x - 364 tons/year
Compliance with this emission limit shall be determined by using the CEMS data and a week is defined as beginning at 0001 hours Monday and ending at 2400 hours Sunday.
8. When the emission limits of Condition 6 are to be applied, the District is to be informed by phone prior to or as soon as practicable after the subject period occurs. ACE Cogeneration Company (Owner/Operator) shall report to the District in the quarterly report (Condition # 15) when a startup, shutdown or stabilization period occurred and the actual emissions recorded during that period.
9. The daily emission of the following pollutants CO, NO_x (as NO₂), SO_x (as SO₂) and Ammonia as well as O₂ (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas flow rate shall be monitored using a Continuous Emission Rate Monitoring System (CERMS). The stack gas opacity shall be monitored using a Continuous

Opacity Monitoring System (COMS). These systems shall be operating at all times in accordance with the District approved monitoring plan.

10. The following are the acceptability testing requirements for the CEMS, CERMS and COMS:
 - a. For COMS (Opacity) - Performance Specification 1 of 40 CFR 60 Appendix B.
 - b. For SO₂ and NO_x CEMS - Performance Specification 2 of 40 CFR 60 Appendix B.
 - c. For O₂ CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
 - d. For CO CEMS - Performance Specification 4 of 40 CFR 60 Appendix B.
 - e. For CERMS (stack gas flow rate) - Performance Specification 6 of 40 CFR 60 Appendix B.
- B.
 - f. For Ammonia CEMS - Acceptability testing to be performed per a District approved procedure that is to be submitted by Owner/Operator.
11. All of the following baghouses shall be functional and operating under all conditions (start-ups, stabilization periods and shutdowns) and firing rates:
 - a. C02121 - Steam Generation Baghouse
 - b. C002127 - Solid Fuel Silos Baghouse
 - c. C002387 - Bottom Ash Handling System Baghouse
 - d. C002641 - Limestone Storage Silo Baghouse (Bin Vent)
 - e. C003299 - Fly Ash Storage Silo Baghouse (Bin Vent)
 - f. C003300 - Fly Ash Storage Silo Baghouse (Bin Vent)
 - g. C003301 - Bottom Ash Storage Silo Baghouse (Bin Vent)
 - h. C003370 - Fly Ash Handling System Baghouse
12. Annual compliance tests must be performed on this boiler and the baghouse covered by District permit C002121 in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of testing but not later than six weeks prior to the expiration date of this permit. The following compliance tests are required:
 - a. Oxides of Nitrogen (NO_x as NO₂ in ppmv at 3% O₂, dry basis and lb/hr).
 - b. ROG (in ppmv at 3% O₂, dry basis and lb/hr)
 - c. Oxides of sulfur (SO_x as SO₂ in ppmv at 3% O₂, dry basis and lb/hr)
 - d. Carbon monoxide (in ppmv at 3% O₂, dry basis and lb/hr)
 - e. PM, PM₁₀ and sulfates (as milligram/cubic meter, at 3% O₂, dry basis and lb/hr)
 - f. Flue gas flow rate (SCFM, dry basis)
 - g. Ammonia (in ppmv at 3% O₂, dry basis, and lb/day)
13. Owner/Operator shall record monthly the sulfur content of the solid fuel. The solid fuel samples can either be composited "on delivery" or "as fired". To satisfy the "as delivered" condition Owner/Operator may use vendor analyses. Such records shall be maintained for a period of at least 5 years and made available to District, state or federal personnel on request. This boiler shall be fired only with coal and/or petroleum coke where the percentage of sulfur by weight does not exceed 4.0%.

14. Natural gas may be fired during startup, shutdown and for stabilization and as an alternative fuel source at any time.
15. Until a digital acquisition system that is telemetrically compatible with District software is installed, quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan and shall present, but not be limited to, the following data on a daily basis:
 - a. CEMS data
 - b. CERMS data
 - c. COMS dataAll quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.
16. SPECIAL PERMIT CONDITIONS FOR ALDORA CEMS:

Owner/Operator shall maintain and use CEMS which is; Aldora MCS 100/e, serial # 105. The operation and maintenance of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit was issued and shall meet the below listed requirements.
17. Aldora CEM system shall be operated and maintained to meet:
 - a. all of the requirements of 40CFR60 Subpart Da.
 - b. all of the acceptability testing requirements for the new equipment as given in conditions # 10 and 17 (a) above.
 - c. District Compliance Test Procedural Manual when all testing for the CEMS is conducted.
18. SPECIAL PERMIT CONDITIONS FOR ADDING PETROLEUM COKE AND NATURAL GAS AS PRIMARY FUELS:

Owner/Operator may use coal and natural gas as primary fuels but petroleum coke shall not be used as a solid fuel until the storage facility, conveyors and baghouse covered by District permits B005120 and C005121 are constructed and operational.
19. The District shall be notified in writing:
 - a. when the construction of the petroleum coke storage facility with conveyors and baghouse is started.
 - b. when the construction of the petroleum coke storage facility with conveyors and baghouse is completed.
20. MDAQMD Permit # B002122 - COOLING TOWER:
21. MDAQMD Permit # B002128 - LIMESTONE HANDLING SYSTEM:
22. MDAQMD Permit # B002131 - ASH HANDLING SYSTEM:

23. MDAQMD Permit # B003255 - SOLID FUEL RECLAIM SYSTEM:
24. MDAQMD Permit # B005120 - SOLID FUEL HANDLING SYSTEM:
25. MDAQMD Permit # C002121 - BAGHOUSE SERVING STEAM GENERATOR:
26. MDAQMD Permit # C002126 - BAGHOUSE: JUNCTION HOUSE 1:
27. MDAQMD Permit # C002127 - BAGHOUSE: SOLID FUEL SILOS N:
28. MDAQMD Permit # C002129 - BAGHOUSE: LIMESTONE TRUCK:
29. MDAQMD Permit # C002387 - BAGHOUSE & CYCLONE:
30. MDAQMD Permit # C002641 - BAGHOUSE:
31. MDAQMD Permit # C003299 - BAGHOUSE:
32. MDAQMD Permit # C003300 - BAGHOUSE:
33. MDAQMD Permit # C003301 - BAGHOUSE:
34. MDAQMD Permit # C003370 - BAGHOUSE and CYCLONE:
35. MDAQMD Permit # C005121 - BAGHOUSE (TRUCK DUMP):
36. MDAQMD Permit # C007862 - BAGHOUSE (STORAGE BIN):
37. MDAQMD Permit # C007863 - BAGHOUSE (SILO DISCHARGE C):
38. MDAQMD Permit Number E003368; EMERGENCY FIREPUMP, DIESEL FIRED, CUMMINS ENGINE MODEL # NTA855F, 400 BHP @ 2150 rpm, serial # 11440677.
39. MDAQMD Permit Number E003369; EMERGENCY GENERATOR, DIESEL FIRED, CATERPILLAR ENGINE Model # 3208-175, 263 BHP @ 1800 rpm, Serial # 5YF00392.
40. MDAQMD Permit # T007861; STORAGE BIN, Solid Fuel, consisting of: 300 ton fuel bin measuring 75 feet high by 20 feet. Capacity calculated at 300 gallons per ton, or 90,000 gallons.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if

such equipment is listed in Rule 219 and meets the applicable emission limitations contained in Rule 219 (D). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide federal applicable requirements.

[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

9. Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit [including turbines] is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and suppliers certification information.
 - b. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit. A visible emissions inspection is required after every one (1) million gallons of fuel is combusted. Fuel consumption is to be counted cumulatively over a 5 year period. If a visible emissions inspection documents opacity, a Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel within the 3 working day time frame.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
13. Owner/Operator is limited to use the following quality fuels for fuel types specified elsewhere in

this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR

52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂) greater than or equal to 500 ppm by volume.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 - 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
 - (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
 - (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the

- report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

(c) Cold Solvent Degreasers - Freeboard Requirements:

- (i) Cold solvent degreasers using only low volatility solvents which are not agitated, shall operate with a freeboard height of not less than 6 inches.
- (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
- (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.

(d) Cold Solvent Degreasers - Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

- (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:

- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.

- e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
 - (3) Documentation shall be maintained on site of the disposal or on site recycling of any

- waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550

Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

27. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	gr/L	(lb/gal)	gr/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)

Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

29. The provisions of Part II, Conditions (A)(26) and (A)(27) shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

30. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115 shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

31. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
- (a) (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
 - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
- (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (c) Owner/Operator shall store fresh or spent solvent in closed containers.
- (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures.
Equipment used shall minimize the evaporation of organic compounds to the atmosphere.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
33. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
34. Owner/Operator subject to Part II, Conditions (A)(26) through (A)(39) shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent

- used for cleanup, surface preparation, and paint removal.
- (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
35. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
36. Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory on an annual basis.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
37. A violation of the limits contained in Part II, Conditions (A)(26) through (A)(39) as determined by any one of Part II, Conditions (A)(38) and (A)(39) *Reference Method Tests* shall constitute a violation of applicable Part II conditions.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions (A)(26) through (A)(39), as required by Rule 1114:
- (a) Samples of coatings and solvent as specified in Part II Conditions (A)(26) through (A)(39) shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Emissions of volatile organic compounds as specified in Part II Conditions (A)(26) through (A)(39) shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.

- (c) Transfer efficiency as required by Part II Conditions (A)(26) through (A)(39) shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
 - (d) Overall abatement efficiency is the product of capture efficiency as determined by procedures described in *55 FR 26865, 29 June, 1990*, and abatement device efficiency.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

39. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II Conditions (A)(26) through (A)(39), as required by Rule 1115:

- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
- (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
- (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
- (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
- (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
- (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine

- emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
 - (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
 - (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
40. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
41. Owner/Operator shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced to the levels allowed in Rule 442. See statement of rule requirements in Part II Condition (A)(23).
[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]
42. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1114 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1114 are achieved.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
43. The Grams of VOC Per Liter of Coating limits of Rule 1114 shall not apply to facilities meeting one or more of the following:
- (a) Facilities that use a total of less than one gallon of coating, including any VOC-containing materials added to the original coating as supplied by the manufacturer, subject to this rule, in any one day, or; surface coating operations that emit not more than 3 pounds of VOCs per day and not more than 200 pounds of VOCs per calendar year.
 - (b) Wood products coating operations which emit not more than 3 pounds of VOC per hour, before add-on controls.
 - (c) Wood products coating operations which emit not more than 15 pounds of VOC per day, before add-on controls.
 - (d) Facilities that do not exceed 10 tons per year theoretical potential emissions. "Theoretical potential emissions" is defined as the greater of design capacity or maximum production (based

on 8760 hours/year) before add-on controls.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

44. For the purposes of claiming an exemption pursuant Rule 1114, hourly or daily emissions shall be considered from January 1, 1996 forward.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
45. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1114 shall meet the record keeping requirements of Rule 1114 so as to be able to certify the exemption status.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
46. Once facility emissions exceed 3 pounds of VOC per hour, or 15 pounds of VOC per day, respectively, Owner/Operator and facility will remain subject to the Grams of VOC Per Liter of Coating limits of Rule 1114 even if facility emissions later fall below the applicability threshold.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
47. Owner/Operator shall not apply coatings to wood products subject to the provisions of Rule 1114 unless the coating is applied with properly operating equipment, according to manufacturer's suggested guidelines, using one or more of the following methods:
- (a) Flow Coat.
 - (b) Dip Coat.
 - (c) High-Volume Low-Pressure (HVLP) spray.
 - (d) Paint brush.
 - (e) Hand roller.
 - (f) Roll Coater.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
48. Owner/Operator of wood products coating operations shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an overall capture and abatement efficiency of at least 85 percent as determined pursuant to Rule 1114 requirements:

LIMITS

Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds

<u>Coating</u>	<u>(g/L)</u>	<u>(lb/gal)</u>
Clear Topcoats		
containing Group II		
exempt compounds	275	2.3
not containing Group II		
exempt compounds	275	2.3
Fillers	275	2.3
High-Solid Stains	240	2.0
Inks	500	4.2
Mold-Seal Coatings	750	6.3
Multi-Colored Coatings	275	2.3
Pigmented Coatings	275	2.3
Sealers:		
containing Group II		
exempt compounds	240	2.0
not containing Group II		
exempt compounds	240	2.0
Strippers	350	2.9
Adhesives	250	2.1
Low-Solids Stains, Toners, or Wash Coats:		
containing Group II		
exempt compounds	120	1.0
not containing Group II		
exempt compounds	120	1.0

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

49. Owner/Operator using solvent for surface preparation and cleanup at facility shall comply with the following Rule 1114 requirements:
- (a) Owner/Operator shall not use an organic compound for surface preparation, except strippers, with a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon).
 - (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
 - (c) Owner/Operator shall store fresh or spent solvent in closed containers.
 - (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system must enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

50. Owner/Operator shall not specify use at the facility any coating to be applied to any wood products, subject to the provisions of Rule 1114, that does not meet the limits and requirements of Part II Conditions (A)(46) through (A)(48), above. The requirements of Part II Condition (A)(47) above shall apply to all written or oral contracts.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

51. Owner/Operator of facility subject to the requirements of Rule 1114 shall comply with the following requirements:

- (a) Facility coating operation shall have a continuous monitor, as approved by the APCO/District, for any add-on control device used to meet the control requirement of Part II Condition (A)(48).
- (b) Facility coating operation records of the monitoring devices pursuant to Part II Condition (A)(51)(a) and other data necessary to demonstrate compliance with the control requirements shall be maintained on the premises and made accessible to the District in a form and manner as specified by the APCO/District for a period of five (5) years pursuant to Rule 1114 and Title V requirements.
- (c) Compliance with Part II Condition (A)(48) control efficiency requirements shall be determined by source testing and/or evaluating continuous monitor data.
- (d) Each monitoring device used pursuant to Part II Condition (A)(51)(a) shall be calibrated in a manner approved by the APCO/District; and maintained in optimum working order.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

52. Owner/Operator shall supply the following information to the District from the manufacturer of coatings subject to this rule: Information shall include a designation of VOC as supplied on data sheets; including coating components, expressed in grams per liter or pounds per gallon, excluding water and exempt solvents.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

53. Owner/Operator shall not increase use of the Group II exempt compounds, methylene chloride and/or 1,1,1-trichloroethane, to meet the VOC content standards of Rule 1114.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR
52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be

kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, state, or federal personnel upon request. [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].

2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance / Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
 - (c) The HHV for diesel fuels burned shall be determined from daily samples and reported as a monthly average for each month; the sampling and analysis procedures of Appendix D to 40 CFR 75 may be used.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry, the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]
7. Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
8. Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD, shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]
9. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating

Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]

10. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
11. Owner/Operator shall submit *Compliance Certifications* to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the permit anniversary date.
[Rule 1203 (F)(1)]
12. If any ACE Cogeneration Company facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5 year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
 - (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]
[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 02/24/95]
13. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act

§503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]

14. Owner/Operator shall keep records for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Any records, data or logs shall be supplied to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
15. Owner/Operator shall comply with all applicable provisions of 40 CFR 72, Permits Regulation (Title IV) and the submitted Title IV Permit Application as indicated in Part VIII of this combined, *Title V Federal Operating Permit / Title IV Acid Rain Permit*.
[40 CFR 72; Rule 1210]
16. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
17. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
18. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]
19. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than January 31 and July 31 of any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:
 - (a) Summary of deviations from any federally-enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
[Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]
20. Owner/Operator shall promptly report all deviations from federal operating permit requirements

including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.

[Rule 1203 (D)(1)(e)(ii)]

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

21. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

PART III

EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

- A. EQUIPMENT DESCRIPTION: Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

1. MDAQMD permit # B002120; STEAM GENERATING BOILER, - Manufactured by Pyropower Corp., A circulating fluidized bed combustion boiler with two integral hot cyclones and a single convection pass, non-reheat, with nominal heat input of $1,052 \times 10^6$ Btu/Hr and a steam output of 910,000 lb/hr at 1525 psig/1005° F. The boiler has ammonia injection, limestone feed and the following equipment:

<u>Capacity (Hp)</u>	<u>Equipment Name</u>
3000.00	Fan, Primary Air - one 1800RPM/4000V/3Ph/60Hz
900.00	Fan, Secondary Air - one 1800RPM/4000V/3Ph/60Hz
2500.00	Fan, Induced Draft - one 900RPM/4000V/3Ph/60Hz
400.00	Blowers, High Pressure - 2 @ 200 hp each, 3550RPM/460V/3Ph/60Hz
	<u>Silos, Solid Fuel Storage - 2 @ 360 tons each</u>
	<u>Solid Fuel Feed System including the following:</u>
6.00	Feeders, Solid Fuel Gravimetric - 4 @ 1.5 hp each
2.00	Feeders, Cleanout Drag Chain - 4 @ .5 hp each
15.00	Conveyors, Inclined Drag Chain - 2 @ 7.5 hp each
15.00	Conveyors, Horizontal Drag Chain - 2 @ 7.5 hp each
6.00	Conveyors, Bi-directional Screw - 2 @ 3 hp each
50.00	Fans, Feeder Pressurization - 2 @ 25 hp each
100.00	Blower, Flyash Reinjection - one 1800RPM/460V/3 Ph/60Hz
	<u>Silo, Limestone Storage - one 360 tons</u>
	<u>Limestone Feed System for SOx control, includes the following:</u>
150.00	Blowers, High Pressure - 2 @ 75 hp each, 460V/3Ph/60Hz
2.00	Feeders, Rotary - 2 @ 1 hp each, 10RPM/460V/3Ph/60Hz
	<u>Ammonia Injection System for NOx control, includes the following:</u>
	Tank, Ammonia Storage - one 12,100 gallon w/two 100% vaporizers and injection system
	<u>Pumps, Boiler Feed - 2200 GPM & 5054' head and manufactured by Sulzer Bingham</u>
7000.00	Westinghouse motors - 2 @ 3,500 hp each

(Total rating for Fee Assessment: $1,052 \times 10^6$ btu/hr + $[14,148 \text{ hp} \times 2,550 \text{ btu/hr/hp}] = 1,088.2$)

2. The circulating fluidized bed combustion boiler is authorized to burn solid fuel (coal and/or petroleum coke) and/or natural gas as fuel. The following emission limits shall not be exceeded at any firing rate, except for CO, NO_x and SO_x during periods of startup, shutdown and stabilization (see Condition # 5):
Opacity @ 20% on a six minute rolling average; Ammonia = 310 lb/day
3. These hourly rates, while monitored on CEMS, shall be based on a 3-hour rolling average computed every 15 minutes.
CO = 280 lb/hr; NO_x (as NO₂) = 104 lb/hr; SO_x (as SO₂) = 83 lb/hr
4. These hourly rates shall be verified by the annual compliance tests which are required in Condition # 12
ROG = 5 lb/hr; PM = 14.6 lb/hr; PM₁₀ = 14.6 lb/hr; Sulfates = 3.7 lb/hr
5. Emissions of CO, NO_x and SO_x may exceed the limits contained in Condition # 3 during startup, shutdown, and stabilization periods within the limits of this condition.
 - (a) The startup, shutdown, and stabilization periods for NO_x and SO_x are defined as follows:
 - (i). Startup is when the boiler is being fired, in whole or in part, with natural gas for the purpose of introducing solid fuel (coal and/or petroleum coke).
 - (ii). A shutdown is when natural gas is introduced to the boiler to bring the unit off line in a controlled fashion.
 - (iii). Stabilization is:
 - aa) During start-up, the period from when the natural gas is taken out of service and power output on solid fuel is increasing until the boiler is up to a stable operating range and generating more than 40 MWe net;
 - bb) During shutdown the period starting when the natural gas is placed in service to bring the unit off line in a controlled fashion.
 - (b) The startup, shutdown and stabilization periods for CO are defined as those periods when the boiler is being fired, in whole or in part, with natural gas.
6. During periods of startup, shutdown and stabilization the emissions of CO, NO_x and SO_x shall not exceed the following based on a 3 hour rolling average:
CO - 2,000 lb/hr but not for any period longer than 12 hours,
NO_x and SO_x - 200 lb/hr of each but not for any period longer than 4 hours.
7. The total annual emissions, including the excess emissions allowed in Condition # 6, for CO, NO_x and SO_x when calculated on a 52 week rolling annual average shall not exceed the following:
CO - 1,226 tons/year

NO_x - 456 tons/year

SO_x - 364 tons/year

Compliance with this emission limit shall be determined by using the CEMS data and a week is defined as beginning at 0001 hours Monday and ending at 2400 hours Sunday.

8. When the emission limits of Condition # 6 are to be applied, the District is to be informed by phone prior to or as soon as practicable after the subject period occurs. ACE Cogeneration Co (Owner/Operator) shall report to the District in the quarterly report (Condition # 15) when a startup, shutdown or stabilization period occurred and the actual emissions recorded during that period.
9. The daily emission of the following pollutants CO, NO_x (as NO₂), SO_x (as SO₂) and Ammonia as well as O₂ (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas flow rate shall be monitored using a Continuous Emission Rate Monitoring System (CERMS). The stack gas opacity shall be monitored using a Continuous Opacity Monitoring System (COMS). These systems shall be operating at all times in accordance with the District approved monitoring plan.
10. The following are the acceptability testing requirements for the CEMS, CERMS and COMS:
 - a. For COMS (Opacity) - Performance Specification 1 of 40 CFR 60 Appendix B.
 - b. For SO₂ and NO_x CEMS - Performance Specification 2 of 40 CFR 60 Appendix B.
 - c. For O₂ CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
 - d. For CO CEMS - Performance Specification 4 of 40 CFR 60 Appendix B.
 - e. For CERMS (stack gas flow rate) - Performance Specification 6 of 40 CFR 60 Appendix B.
 - f. For Ammonia CEMS - Acceptability testing to be performed per a District approved procedure that is to be submitted by Owner/Operator.
11. All of the following baghouses shall be functional and operating under all conditions (start-ups, stabilization periods and shutdowns) and firing rates:
 - a. C02121 - Steam Generation Baghouse
 - b. C002127 - Solid Fuel Silos Baghouse
 - c. C002387 - Bottom Ash Handling System Baghouse
 - d. C002641 - Limestone Storage Silo Baghouse (Bin Vent)
 - e. C003299 - Fly Ash Storage Silo Baghouse (Bin Vent)
 - f. C003300 - Fly Ash Storage Silo Baghouse (Bin Vent)
 - g. C003301 - Bottom Ash Storage Silo Baghouse (Bin Vent)
 - h. C003370 - Fly Ash Handling System Baghouse
12. Annual compliance tests must be performed on this boiler and the baghouse covered by District permit C002121 in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of testing but not later than six weeks prior to the expiration date of this permit. The following compliance tests are

required:

- a. Oxides of Nitrogen (NO_x as NO₂ in ppmv at 3% O₂, dry basis and lb/hr).
 - b. ROG (in ppmv at 3% O₂, dry basis and lb/hr)
 - c. Oxides of sulfur (SO_x as SO₂ in ppmv at 3% O₂, dry basis and lb/hr)
 - d. Carbon monoxide (in ppmv at 3% O₂, dry basis and lb/hr)
 - e. PM, PM₁₀ and sulfates (as milligram/cubic meter, at 3% O₂, dry basis and lb/hr)
 - f. Flue gas flow rate (SCFM, dry basis)
 - g. Ammonia (in ppmv at 3% O₂, dry basis, and lb/day)
13. Owner/Operator shall record monthly the sulfur content of the solid fuel. The solid fuel samples can either be composited "on delivery" or "as fired". To satisfy the "as delivered" condition Owner/Operator may use vendor analyses. Such records shall be maintained for a period of at least 5 years and made available to District, state or federal personnel on request. This boiler shall be fired only with coal and/or petroleum coke where the percentage of sulfur by weight does not exceed 4.0%.
14. Natural gas may be fired during startup, shutdown and for stabilization and as an alternative fuel source at any time.
15. Until a digital acquisition system that is telemetrically compatible with District software is installed, quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan and shall present, but not be limited to, the following data on a daily basis:
- a. CEMS data
 - b. CERMS data
 - c. COMS data
- All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.
16. SPECIAL PERMIT CONDITIONS FOR ALDORA CEMS:
- Owner/Operator shall maintain and use CEMS which is; Aldora MCS 100/e, serial # 105. The operation and maintenance of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit was issued and shall meet the below listed requirements.
17. Aldora CEM system shall be operated and maintained to meet:
- a. all of the requirements of 40CFR60 Subpart Da.
 - b. all of the acceptability testing requirements for the new equipment as given in conditions # 10 and 17 (a) above.
 - c. District Compliance Test Procedural Manual when all testing for the CEMS is conducted.

18. SPECIAL PERMIT CONDITIONS FOR ADDING PETROLEUM COKE AND NATURAL GAS AS PRIMARY FUELS:
Owner/Operator may use coal and natural gas as primary fuels but petroleum coke shall not be used as a solid fuel until the storage facility, conveyors and baghouse covered by District permits B005120 and C005121 are constructed and operational.
19. The District shall be notified in writing:
- a. when the construction of the petroleum coke storage facility with conveyors and baghouse is started.
 - b. when the construction of the petroleum coke storage facility with conveyors and baghouse is completed.
20. MDAQMD Permit # B002122 - COOLING TOWER, consisting of:
- a. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 - b. Owner/Operator shall comply with District Rule 1503 relative to the Hexavalent Chromium Emissions from Cooling Towers and shall not operate a cooling tower unless hexavalent chromium containing water treatment chemicals are not added to cooling tower circulating water. The concentration of hexavalent chromium in the circulating water of a non-wooden cooling tower shall not exceed 0.15 milligram per liter (mg/L) and shall be tested every six months. Records shall be retained for five years and made available, upon request, to the Air Pollution Control Officer or representative. Records shall contain, but are not limited to, the information as required by paragraph (D) of District Rule 1503. The operator shall maintain records regarding all cooling towers in one location, with current originals or copies at this facility site.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 1503 - *Chromium Emissions From Cooling Towers*; Not in SIP]
 - c. The drift rate shall not exceed 0.0015 percent with a maximum circulation rate of 64,000 GPM. The maximum PM and PM₁₀ emission rates shall not exceed 15 and 13 lb/hr respectively.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 - d. Weekly tests of the blowdown water quality shall be performed by Owner/Operator in accordance with the standard test procedures. These weekly recordings, including mass

emission rate, are to be placed into a log and be maintained on sites for a minimum of five (5) years and be provided to District, state or federal personnel on request.

[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

- e. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- f. A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on-site and be available to District, state or federal personnel on request.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

22. MDAQMD Permit # B002128 - LIMESTONE HANDLING SYSTEM, consisting of:

- a. This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by valid District permits C002129 and C002641.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- b. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[MDAQMD Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

23. MDAQMD Permit # B002131 - ASH HANDLING SYSTEM, consisting of:

- a. This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by valid District permits C002387, C003299, C003300 and C003370.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)

- b. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or suppliers recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

- 24. MDAQMD Permit # B003255 - SOLID FUEL RECLAIM SYSTEM, consisting of:
 - a. This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by valid District permits C002126 and C002127.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - b. All equipment shall be maintained and operated at all times in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
 - c. All conveyor systems shall be fully enclosed. Water spray systems which are activated by conveyor motion shall be provided at all transfer points except at those controlled by baghouses.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- 25. MDAQMD Permit # B005120 - SOLID FUEL HANDLING SYSTEM, consisting of:
 - a. The installation and operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
 - b. Solid fuel shall not be discharged inside the Truck Dump Station unless the truck bottom dump is enclosed by the building and plastic slats, which is vented to the functioning air pollution control equipment covered by valid District permit C005121.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- c. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
 - d. The Silo Discharge Conveyor shall not be operated unless its discharge drop is vented to the functioning air pollution control equipment covered by valid District permit C007863.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
26. MDAQMD Permit # C002121 - BAGHOUSE SERVING STEAM GENERATOR, consisting of:
- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - e. This baghouse shall operate concurrently with the Steam Generating Boiler under valid District permit number B002120.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - f. Owner/Operator shall conduct annual emissions tests on this unit in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions of the Steam Generating Boiler, District permit B002120. The test report of emissions shall be forwarded to the District no later than 45 days subsequent to the final day of on-site sampling and measurement.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
27. MDAQMD Permit # C002126 - JUNCTION HOUSE "1" BAGHOUSE: consisting of:
- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - e. This baghouse shall operate concurrently with Junction House 14 of Solid Fuel Reclaim System under valid District permit number B003255.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
28. MDAQMD Permit # C002127 - SOLID FUEL SILOS "N" BAGHOUSE: consisting of:
- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring*

Requirements, see Part II and Part III conditions)

- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - e. This baghouse shall operate concurrently with Solid Fuel Reclaim System under valid District permit number B003255.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
29. MDAQMD Permit # C002129 - LIMESTONE TRUCK BAGHOUSE, consisting of:
- a. This baghouse shall operate concurrently with the equipment described as the Limestone Truck Unloading and Crushing and Limestone Handling System (B002128).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- b. Owner/Operator shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). Owner/Operator shall maintain current and on-site for five (5) years a log of this information which shall be provided to District, state or federal personnel upon request:
 - a. Pressure differential across the bags (weekly);
 - b. Baghouse stack visible emissions determination (monthly);
 - c. Bags and bag suspension system inspection (quarterly); and
 - d. Bag replacements and repairs.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
- c. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
- e. Owner/Operator shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
- f. This baghouse shall discharge no more than 1.08 lb/hour of particulate at a maximum

concentration of 0.003 grain/dscf at the operating conditions given in the above description.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- g. Within 180 days from the initial start-up of this unit, Owner/Operator shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 6 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

30. MDAQMD Permit # C002387 – BOTTOM ASH BAGHOUSE & CYCLONE:
consisting of:

- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs

and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- e. This baghouse shall operate concurrently with the Bottom Ash Handling System under valid District permit number B002131.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

31. MDAQMD Permit # C002641 – LIMESTONE STORAGE SILO BAGHOUSE:
consisting of:

- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring*

Requirements, see Part II and Part III conditions)

- c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - e. This baghouse shall operate concurrently with Limestone Storage Silo under valid District permit number B002120.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
32. MDAQMD Permit # C003299 – FLY ASH REINJECTION SILO BAGHOUSE:
consisting of:
- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- e. This baghouse shall operate concurrently with Fly Ash Re-injection Silo under valid District permit number B002131.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

33. MDAQMD Permit # C003300 – FLY ASH STORAGE SILO BAGHOUSE: consisting of:

- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly

visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- e. Owner/Operator shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- f. This baghouse shall operate concurrently with Fly Ash Storage Silo under valid District permit number B002131.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- 34. MDAQMD Permit # C003301 – BOTTOM ASH STORAGE SILO BAGHOUSE:
consisting of:

- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- e. This baghouse shall operate concurrently with Bottom Ash Storage Silo under valid District permit number B002131.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

35. MDAQMD Permit # C003370 – FLY ASH HANDLING SILO BAGHOUSE and CYCLONE, consisting of:
- a. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - b. Owner/Operator shall institute a program of maintenance which embraces at least weekly visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - c. Owner/Operator shall log all the items above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
 - e. This baghouse shall operate concurrently with Fly Ash Handling System under valid District permit number B002131.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

36. MDAQMD Permit # C005121 – SOLID FUEL BAGHOUSE (TRUCK DUMP), consisting of:
- a. This baghouse shall operate concurrently with the equipment described as the Truck Dump Station (B005120).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - b. Owner/Operator shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). Owner/Operator shall maintain current and on-site for five (5) years a log of this information which shall be provided to District, state or federal personnel upon request:
 - a. Pressure differential across the bags (weekly);
 - b. Baghouse stack visible emissions determination (monthly);
 - c. Bags and bag suspension system inspection (quarterly); and
 - d. Bag replacements and repairs.[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - c. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- e. Owner/Operator shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - f. This baghouse shall discharge no more than 0.44 lb/hour of particulate at a maximum concentration of 0.003 grain/dscf at the operating conditions given in the above description.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 - g. Within 180 days from the initial start-up of this unit, Owner/Operator shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 6 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
37. MDAQMD Permit # C007862 - SOLID FUEL BAGHOUSE (STORAGE BIN), consisting of:
- a. This baghouse shall operate concurrently with the equipment described as the Solid Fuel Storage Bin (T007861).
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- b. Owner/Operator shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). Owner/Operator shall maintain current and on-site for five (5) years a log of this information which shall be provided to District, state or federal personnel upon request:
- a. Pressure differential across the bags (weekly);
 - b. Baghouse stack visible emissions determination (monthly);
 - c. Bags and bag suspension system inspection (quarterly); and
 - d. Bag replacements and repairs.
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- c. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- e. Owner/Operator shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- f. This baghouse shall discharge no more than 0.10 lb/hour of particulate at a maximum concentration of 0.003 grain/dscf at the operating conditions given in the above description.
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- g. Within 180 days from the initial start-up of this unit, Owner/Operator shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 6 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

38. MDAQMD Permit # C007863 - SOLID FUEL BAGHOUSE (SILO DISCHARGE C), consisting of:

- a. This baghouse shall operate concurrently with the equipment described as the Silo Discharge Conveyor (B005120).
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
- b. Owner/Operator shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). Owner/Operator shall maintain current and on-site for five (5) years a log of this information which shall be provided to District, state or federal personnel upon request:
- a. Pressure differential across the bags (weekly);
 - b. Baghouse stack visible emissions determination (monthly);
 - c. Bags and bag suspension system inspection (quarterly); and
 - d. Bag replacements and repairs.
- [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

- c. Owner/Operator shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- d. Owner/Operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- e. Owner/Operator shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- f. This baghouse shall discharge no more than 0.10 lb/hour of particulate at a maximum concentration of 0.003 grain/dscf at the operating conditions given in the above description.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
- g. Within 180 days from the initial start-up of this unit, Owner/Operator shall conduct emissions testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions in 6 above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling and measurement.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)

39. MDAQMD Permit Number E003368; EMERGENCY FIREPUMP, DIESEL FIRED, CUMMINS ENGINE MODEL # NTA855F, 400 BHP @ 2150 rpm, serial # 11440677.
- a. Owner/Operator is limited to operating this fire pump for emergency water supply (when commercially available power has been interrupted). The unit may be operated weekly as part of a testing program which does not exceed 60 minutes per week.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- b. Owner/Operator shall use only diesel fuel whose sulfur concentration does not exceed 0.05% by weight. Owner/Operator may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- c. This engine shall not be operated more than 1000 hours in a calendar year without prior written approval of the District APCO. Owner/Operator shall log the starting and stopping times of the operational periods of this generator, to the nearest 1/10-hour, including the date. Owner/Operator shall log all fuel use of engine by volume on a calendar quarterly basis. Owner/Operator shall log the Volume and dates of delivery of diesel fuel.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- d. Owner/Operator shall insure this engine complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- e. Owner/Operator shall operate this engine in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- f. Operation of this engine shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - g. Owner/Operator shall maintain all operating logs; including inspection, repair and maintenance records; and fuel use information; on this equipment current and on-site, for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Records shall be provided to District, state or federal personnel upon request. These Records shall include a copy of the diesel fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements; see Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
 - h. This engine does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
40. MDAQMD Permit Number E003369; EMERGENCY ELECTRICAL POWER GENERATOR, DIESEL FIRED, CATERPILLAR ENGINE Model # 3208-175, 263 BHP @ 1800 rpm, Serial # 5YF00392.
- a. Owner/Operator is limited to operating this engine for emergency power (when commercially available power has been interrupted). The unit may be operated weekly as part of a testing program which does not exceed 60 minutes per week.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
 - b. Owner/Operator shall use only diesel fuel whose sulfur concentration does not exceed 0.05% by weight. Owner/Operator may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

- c. This engine shall not be operated more than 1000 hours in a calendar year without prior written approval of the District APCO. Owner/Operator shall log the starting and stopping times of the operational periods of this generator, to the nearest 1/10-hour, including the date. Owner/Operator shall log all fuel use of engine by volume on a calendar quarterly basis. Owner/Operator shall log the Volume and dates of delivery of diesel fuel.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- d. Owner/Operator shall insure this engine complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- e. Owner/Operator shall operate this engine in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- f. Operation of this engine shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
- g. Owner/Operator shall maintain all operating logs; including inspection, repair and maintenance records; and fuel use information; on this equipment current and on-site, for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Records shall be provided to District, state or federal personnel upon request. These Records shall include a copy of the diesel fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements; see Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

[Rule 1203(D)(1)(d)(ii)]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

- h. This engine does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

- 41. MDAQMD Permit # T007861; STORAGE BIN, Solid Fuel, consisting of: 300 ton fuel bin measuring 75 feet high by 20 feet. Capacity calculated at 300 gallons per ton, or 90,000 gallons.
 - a. The operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

 - b. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

 - c. This equipment shall not accept solid fuel unless it is vented to the functioning air pollution control equipment covered by valid District permit C007862.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

PART IV

STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit

shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in

this Federal Operating Permit.

[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a day shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute

gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.
2. For the purposes of MDAQMD Rule 1114 - *Wood Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.
3. For the purposes of MDAQMD Rule 1115 - *Metal Parts and Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
4. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
5. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal

Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.

6. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.
7. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.
8. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.
9. For the purposes of MDAQMD Rule 1159 - *Stationary Gas Turbines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1159 shall apply.
10. For the purposes of MDAQMD Rule 1160 - *Internal Combustion Engines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1160 shall apply.